PORTABLE LEVEL 2 EV CHARGER

New charging upgrade

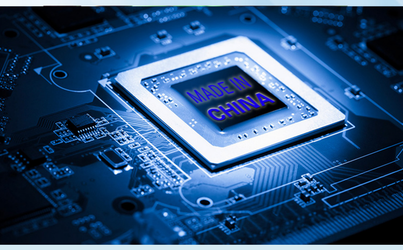
Security • Convenient

Safety protection function

- Charging safety protection function
- Protect charging vehicles to avoid potential safety hazards
- Enjoying fast charging while ensuring safety.

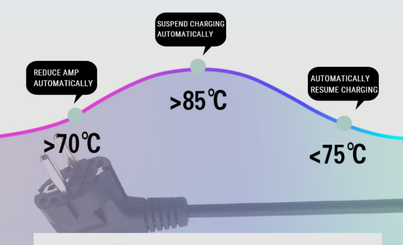
Charging with two temperature Sensors ensure more safety

Zencar Charger has two sensors in plugs and PCB ,it can show the real-time temperature.
When over-heat phenomenan occurs during charging , it can automatically suspending charging, when the temperature down, then resume charging.



1. Plug over temperature protection

The high temperature while charging will cause the home socket and the Interior wire inside the wall melted, It may lead to a house fire.
Its advantages are self-evident. while charging, the real plug temperature will be showed on the LCD screen.



2. Controller overtemperature protection

Specially designed to prevent charging cables and controllers from causing unnecessary economic losses due to excessive temperature when charging electric vehicles

>70℃	REDUCE AMP AUTOMATICALLY
>85℃	SUSPEND CHARGING AUTOMATICALLY
<75℃	AUTOMATICALLY RESUME CHARGING

3. Vehicle ac leakage protection

The electric vehicle casing is connected to the ground wire. As time goes by, the rubber insulation of the car body gradually ages. If there is a problem with the insulation of the car, the casing may be energized, there is a great . Security risks.

The AC type leakage protector is designed and developed for the power frequency sinusoidal leakage current, and can reliably protect the sudden application and slow rising sinusoidal leakage current.

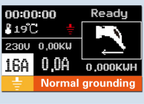
4. Vehicle pulsating DC leakage protection

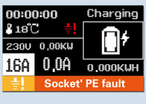
In recent years, accidents caused by pulsating DC leakage often occurred such as human body electric shock,house electrical fire , and electrical equipment damage
In a circuit containing a large number of electronic equipment and frequency conversion equipment, since the leakage signal contains a pulsating DC signal, the AC type leakage protector cannot effectively protect the circuit. In this case, the type A leakage protector for the pulsating DC signal should be selected. It also can protect when receiving leakage signals with pulsating DC components

5. Waterproof and dustproof

IP:54

5. Earth fault warning

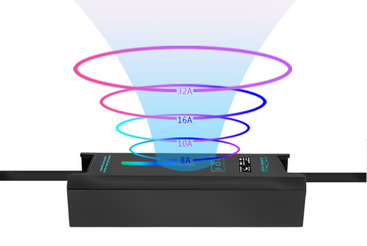




The ground wire is very important for the safety of electricity. When the insulation of electrical appliances goes wrong, the ground wire can prevent the metal shell from being electrified and causing an electric shock. However, because grounding is not necessary for power transmission, many people do not use electricity from ground.
Ground monitoring function, real-time monitoring of the electrical outlet through the display screen intuitive response, let you know your electrical environment grounding state at all times

Current Switching

Controller current intelligent switching technology, default to the last set of current mode.



Method 1： touch switching

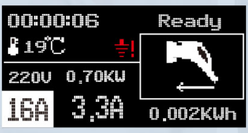
The power plug is firmly inserted into the power socket, the car end is disconnected, touch to click position of evse twice, charging current can be switched successfully.

Method 2 Swipe card switching

The power plug is firmly inserted into the power socket, the car end is disconnected, swiping card to the card position of the evse once, the charging current can be successfully switched.

LED screen

Real-time control of charging status



16A Current mode	0.002kwh Charging power	Ground warning
220V Current voltage	00:00:06 Charging time	3.3A Charging current
0.70kw Output power	Connect statues	19℃ PCB temperature

LED Light Indicator

Ready		Green
EV Connected		Green flash
Connected Error		Red
Charging		Colorful Lights Flash
Reservation charging		Blue
Charging complated		Car side power off Green light flash
Charging complated		Controller power off
Charge fault		Yellow Flash

SAE J1772
Five-hole charging plug

Nice appearance，hand-held ergonomic design, easy plug Flame Retardant, Environmental Protection, Wear Resistance, Weather Resistance, Impact Resistance, High Oil Resistance, Ultraviolet Resistance Materials

In line with SAE - J1772 2010 Standard

- Thermoplastic case ; Copper alloy, sliver plating contacts; rubber covers.
- Mechanical Life: no -load plug in / pull out >10000times.
- Thermoplastic: flame retardant grade UL94 V-0
- Excellent protection performace, protection grade IP54.

Cable Specification

16A:3*2.5MM²+2*0.5MM²/3*14AWG+1*18AWG
32A:3*6MM²+2*0.5MM²/3*10AWG+1*18AWG
VOLTAGE:250V
CERTIFICATE:TUV/UL